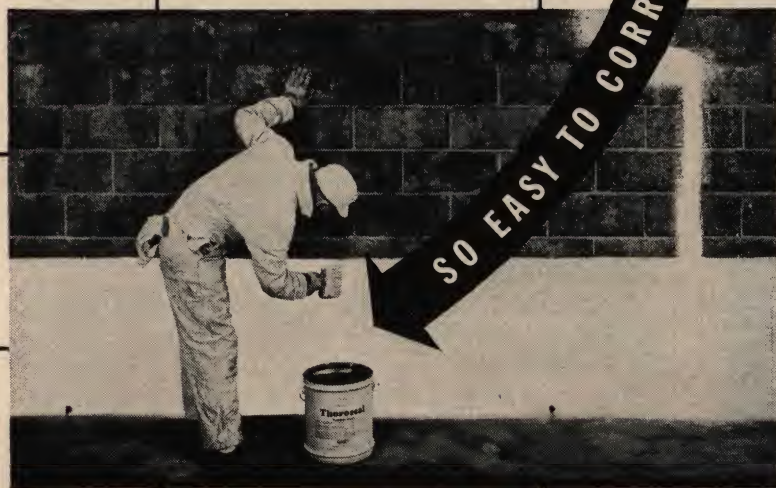


The

THORO *System*

**INTERIOR AND EXTERIOR
SURFACE WATERPROOFING**



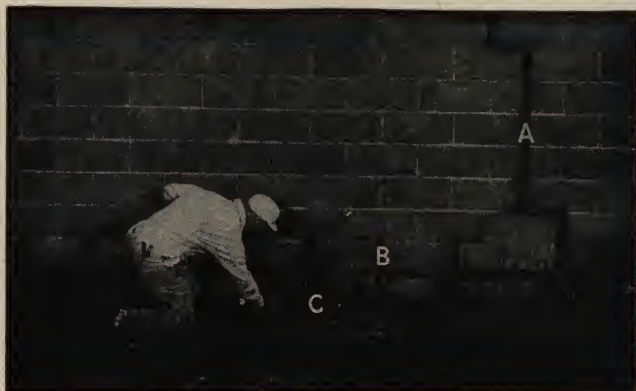
Waterplug
to stop the leaks

Thoro-seal
to fill and seal the surface

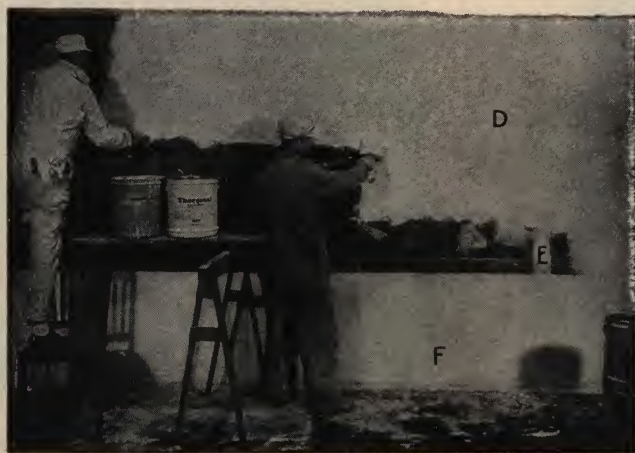
Quickseal
for a beautiful finish

Standard Dry Wall Products Inc.

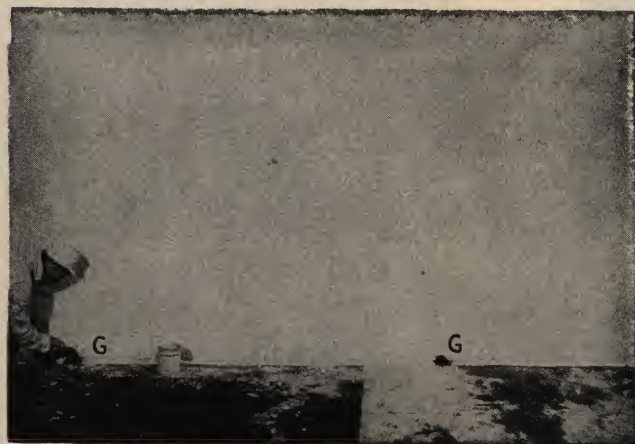
Waterplug · Thoroseal · Quickseal



Point A locates settlement crack which has been sealed with WATERPLUG. Point B, defective joints have been sealed. Point C, angle where floor and walls meet, being sealed by workman.



Point D, THOROSEAL applied as base application. At Point E, THOROSEAL has been applied over sealed crack. Point F, THOROSEAL applied over wall surface.



Point G, weep holes left by the applier are being plugged with WATERPLUG.

Waterplug

QUICK-SET COMPOUND. When water is entering through masonry to usable spaces below grade, the following procedure should be followed. With chisel and hammer, open all cracks, defective mortar joints and point where floor and walls meet. Mix WATERPLUG as directed by the manufacturer and fill these points, where active water enters at time of application, making all points watertight. Point A, a settlement crack, as shown in photograph on cover page, has been sealed with WATERPLUG. Point B, defective joints, where water had been entering, have been sealed. Point C, the angle, where floor and walls meet, is being sealed by the workman, while water is active.

Thoroseal

THOROSEAL base application is being applied to a manufactured block wall and is the same section of wall as shown in photograph 1. The depth of the wall is eleven feet and there was considerable pressure. At Point D, THOROSEAL is applied 2 lbs. to each square yard on the upper section of wall, as a base application, to fill and seal the surface. At Point E, THOROSEAL has been applied over the sealed crack where active water had been entering. At Point F, THOROSEAL has been applied over the wall surface to a height of two feet above the floor; 4 lbs. per square yard were applied to section F, to withstand a varying high water pressure, at times. A second application of THOROSEAL was applied over section F as the workmen came down over the wall with their applications. THOROSEAL may be applied as a finish coat, but a THOROSEAL finish is more abrasive and rougher in texture than QUICKSEAL (Finish Coats). Following is a schedule of material to specify at various depths below grade.

When applied with trowel, THOROSEAL is finished as any other plaster and is not affected by water or dampness after application. We recommend the following applications for purposes named.

1. For ordinary water pressure after rains and dampness.
 - 7 ft. below grade — 3 lbs. per sq. yd., 2 brush coats
 - 8 ft. below grade — 4 lbs. per sq. yd., 2 brush coats
 - 9 ft. below grade — 5 lbs. per sq. yd., 3 brush coats
 - 10 ft. below grade — 6 lbs. per sq. yd., 3 brush coatsIn every case, apply a heavy coat and extra THOROSEAL from the floor up wall, at least 18" to 2'0", thinning the applications with less material from this point to ceiling, where 1½ to 2 lbs. would be sufficient.
2. For constant water pressure.
 - 7 ft. below grade — 8 lbs. per sq. yd., 1 brush and 1 trowel coat
 - 8 ft. below grade — 10 lbs. per sq. yd., 1 brush and 1 trowel coat
 - 9 ft. below grade — 12 lbs. per sq. yd., 1 brush and 1 trowel coat
 - 10 ft. below grade — 15 lbs. per sq. yd., 1 brush and 1 trowel coat
3. For sealing joints and defects in masonry and as a base for colored materials on the outside, above grade.
 - 1½ lbs. to 2½ lbs. per square yard, depending on surface conditions and depth of joints.

Quickseal

QUICKSEAL is prepared to sanitize and control extreme moisture and dampness or as a finish coat over THOROSEAL base applications. When used as a finish coat over THOROSEAL, 1 lb. per square yard is recommended and is sufficient.

At Point G, in the photograph, weep holes left by the applier are being plugged with WATERPLUG, after all other wall surfaces have been completed.

In this photograph, QUICKSEAL has been applied over THOROSEAL as a finish coat.

QUICKSEAL may be used in two applications to dampproof a wall, without THOROSEAL base applications, if the wall surface is smooth and needs very little filling.

The THORO System

ESTABLISHED 1912
INCORPORATED 1931

WATERPLUG, THOROSEAL, QUICKSEAL, and allied materials comprise the nationally-known and favorably-accepted method of masonry maintenance and waterproofing of masonry surfaces.

Through the intervening 35 years, trials, tests and changes have been made, to reach perfection.

Today, we supply to the construction industry products of such merit and efficiency as have become generally recognized as being ideal for the function for which they were originally designed.

WATERPLUG

A hydraulic cement which stops water instantly when running, seeping or leaking through masonry walls and floors.

WATERPLUG is the original, pioneer sealing material which has a fast-set, nonshrink action, with the quality of stopping active water pressure and even large streams of water applied against pressure.

WATERPLUG was discovered, and the THORO System of using it was perfected, by those in our present organization, whose ideas and methods originated in the United States of America.

THOROSEAL, in conjunction with WATERPLUG, is the material to use in sealing and thereby waterproofing any concrete or other masonry surface.

THOROSEAL is the nationally-known and favorably-accepted brush application and base coat material for sealing, sanitizing, and protecting any interior, exterior, above- or below-grade masonry surface to which applied.

THOROSEAL requirement per square yard is $2\frac{1}{2}$ to $3\frac{1}{2}$ pounds, applied by brush, in two or more applications or until a minimum of $2\frac{1}{2}$ pounds per square yard is on the wall.

THOROSEAL, aside from Standard Gray and White, is prepared in several attractive colors, and can be applied to rough or smooth masonry surfaces, in any desired texture.

QUICKSEAL, either Standard Gray or selected color, is the finer, smoother, finish application and is applied in same manner as THOROSEAL, by brush. The requirement per square yard for the finish application is less than 1 pound or, as a maximum, 1 pound per square yard, when THOROSEAL (Base Coat) is used to fill and seal the surface. QUICKSEAL has the quality of further adding to beauty, attractiveness and a more uniform finish, as well as possessing efficiency as a dampproofing.

SNOW WHITE, a specially-prepared finish material, when applied over a base application of WHITE THOROSEAL, gives a delightful mat-textured finish, pleasingly white and restful, without glow or glare from sunlight.

THE CYCLE OF CONTENTMENT IN OUR SURROUNDINGS IS EVER-CHANGING

As shown in before and after photographs below, a high type Stucco House is being protected with SNOW WHITE.

Interior plaster and paintings will be protected from water and dampness.



All Masonry Surfaces Need Protection

FACTORY • PUBLIC BUILDING • RESIDENCE



Foundation walls of the above homes waterproofed by The Thoro System—built by the Wm. J. Mitchell Organization, Cleveland, Ohio.

SPECIFICATION FOR THE WATERPROOFING of all exterior surfaces of block, brick or tile foundation walls subject to water pressure. A cement plaster coat, one-



McGildrey Hall, Kent State University, Kent, Ohio. H. A. Fulton, Architect, Cleveland, Ohio; Carmichael Construction Company, General Contractor, Akron, Ohio. All below-grade walls waterproofed by The Thoro System.

VaBar Vapor Barrier • Plaster Bond

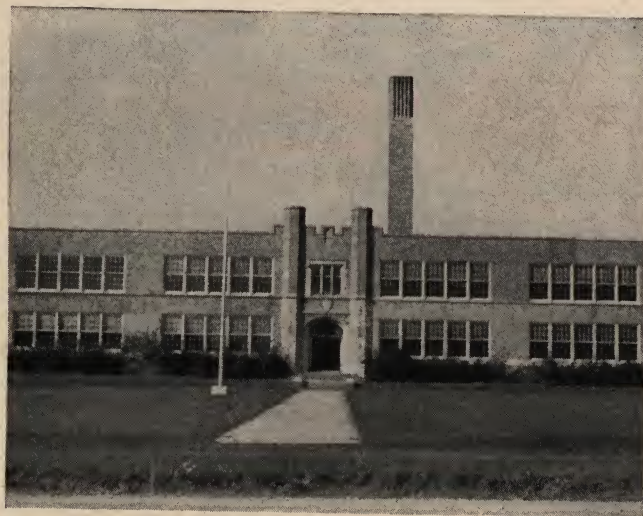
SPECIFICATION for the dampproofing of interior surfaces of all exterior plastered walls, above or below grade. All interior surfaces of exterior walls to be plastered shall be thoroughly cleaned, making sure that all excess mortar is removed and repointing done where necessary. After thorough preparation, a brush coat of VaBar shall be applied over all these surfaces to be plastered, averaging 3 pounds VaBar per square yard. Plastering may proceed at any time after completion of the VaBar application. Curing period of several days is permitted.* *

* * Mixing and application of all Thoro System materials shall be in accordance with the written specifications furnished by Standard Dry Wall Products, Inc.

half inch thick, shall be applied over all the below-grade, exterior surfaces, using a mix of one part cement to two and one-half parts sand. Immediately after completing the cement plaster application, a carefully-applied brush coat of THOROSEAL, averaging 2 pounds per square yard, shall be made over all the plastered surfaces.* *

ALTERNATE—Two carefully-applied brush coats of THOROSEAL, averaging 4 pounds per square yard, shall be made over all below-grade, exterior surfaces of the foundation walls, down to and including the top of the footings.* *

SPECIFICATION FOR THE WATERPROOFING of all poured concrete foundation walls subject to water pressure. Upon removal of forms, any excess form oil, remaining on the concrete surfaces to be waterproofed, shall be removed, washing with a mild muriatic acid solution, if necessary. With the surfaces thoroughly cleaned, two brush coats of THOROSEAL shall then be applied to all exterior surfaces below grade, averaging 4 pounds THOROSEAL per square yard for both coats. Care should be exercised to assure thorough sealing of the surfaces down to and including the junction of the walls and footings.* *



Oakville School, Mayfield Heights Village, Ohio. H. A. Fulton, Architect, Cleveland, Ohio. All above-grade, exterior plastered walls protected by VaBar, another Thoro System Product.

STANDARD DRY WALL PRODUCTS, INC.

NEW EAGLE • PENNSYLVANIA

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From the collection of:

Carol J. Dyson, AIA